

OM nucleic - nucleic search, using sw model

Run on: January 7, 2004, 01:45:22 ; Search time 2636.86 Seconds
(without alignments)
10138.911 Million cell updates/sec

Title: US-09-904-568-1

Perfect score: 1100

Sequence: 1 gcacgagccacagccagcta.....attaataaaaaaaaaaaaaaa 1100

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 22781392 seqs, 12152238056 residues

Total number of hits satisfying chosen parameters: 124150

Minimum DB seq length: 12
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 65000 summaries

Database : EST:*

- 1: em_estba:*
- 2: em_esthum:*
- 3: em_estin:*
- 4: em_estmu:*
- 5: em_estov:*
- 6: em_estpl:*
- 7: em_estro:*
- 8: em_htc:*
- 9: gb_est1:*
- 10: gb_est2:*
- 11: gb_htc:*
- 12: gb_est3:*
- 13: gb_est4:*
- 14: gb_est5:*
- 15: em_estfun:*
- 16: em_estom:*
- 17: em_gss_hum:*
- 18: em_gss_inv:*
- 19: em_gss_pln:*
- 20: em_gss_vrt:*
- 21: em_gss_fun:*
- 22: em_gss_mam:*
- 23: em_gss_mus:*
- 24: em_gss_pro:*
- 25: em_gss_rod:*
- 26: em_gss_phg:*
- 27: em_gss_vrl:*
- 28: gb_gss1:*
- 29: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

%

Result

Query

No.

Score

Match

Length

DB

ID

S/L

586	19	1.7	19	28	AZ345795	1
587	19	1.7	19	28	AZ650575	1
c1413	17	1.5	17	13	BQ590128	1
1414	17	1.5	17	13	BQ590687	1
c1415	17	1.5	17	13	BQ591177	1
c2542	16	1.5	16	13	BQ590166	1
c2543	16	1.5	16	13	BQ590507	1
2544	16	1.5	16	13	BQ592600	1
c2545	16	1.5	16	13	BQ592965	1
c2546	16	1.5	16	13	BQ595369	1
2547	16	1.5	16	13	BQ595717	1
3587	15	1.4	15	10	BE230585	1
c3588	15	1.4	15	13	BQ582543	1
c3589	15	1.4	15	13	BQ585820	1
c3590	15	1.4	15	13	BQ590410	1
c3591	15	1.4	15	13	BQ590656	1
c3592	15	1.4	15	13	BQ591170	1
c3593	15	1.4	15	13	BQ591178	1
c3594	15	1.4	15	13	BQ591223	1
c3595	15	1.4	15	13	BQ594689	1
c5833	14	1.3	14	13	BQ586422	1
c5834	14	1.3	14	13	BQ587890	1
c5835	14	1.3	14	13	BQ589191	1
c5836	14	1.3	14	13	BQ590242	1
c5837	14	1.3	14	13	BQ590261	1
c5838	14	1.3	14	13	BQ591168	1
c5839	14	1.3	14	13	BQ591176	1
c5840	14	1.3	14	13	BQ591207	1
c5841	14	1.3	14	13	BQ591380	1
c5842	14	1.3	14	13	BQ591482	1
c5843	14	1.3	14	13	BQ593052	1
10406	13	1.2	13	13	BQ583549	1
c10407	13	1.2	13	13	BQ589180	1
10408	13	1.2	13	13	BQ590337	1
20256	12	1.1	12	10	BG668943	1
c20257	12	1.1	12	13	BQ582536	1
c20258	12	1.1	12	13	BQ588719	1
c20259	12	1.1	12	13	BQ594698	1
588	19	1.7	20	2	HSM00298	0.95
589	19	1.7	20	2	HSM00305	0.95
590	19	1.7	20	2	HSM00323	0.95
591	19	1.7	20	2	HSM00332	0.95
592	19	1.7	20	28	AZ849506	0.95
899	18	1.6	19	28	AZ450180	0.947368
1416	17	1.5	18	2	HSM00316	0.944444
c1417	17	1.5	18	13	BQ582676	0.944444
c1418	17	1.5	18	13	BQ590027	0.944444
c2548	16	1.5	17	13	BQ591181	0.941176
c3596	15	1.4	16	13	BQ590207	0.9375
c 408	19.4	1.8	21	28	AZ610868	0.92381
409	19.4	1.8	21	28	AZ764492	0.92381
772	18.4	1.7	20	28	AZ368518	0.92

c1251	17.4	1.6	19	28	AZ447251	0.915789
2188	16.4	1.5	18	9	AL048754	0.911111
c3062	15.4	1.4	17	9	AW248574	0.905882
c3063	15.4	1.4	17	13	BQ591588	0.905882
593	19	1.7	21	9	AL048772	0.904762
900	18	1.6	20	2	HSM00290	0.9
901	18	1.6	20	2	HSM00290	0.9
902	18	1.6	20	2	HSM00304	0.9
c 903	18	1.6	20	9	AL587759	0.9
c 904	18	1.6	20	28	AZ486784	0.9
905	18	1.6	20	28	AZ858419	0.9
1419	17	1.5	19	13	BQ588729	0.894737
1420	17	1.5	19	28	AZ307313	0.894737
c1421	17	1.5	19	28	AZ310079	0.894737
c1422	17	1.5	19	28	AZ310105	0.894737
1423	17	1.5	19	28	AZ317743	0.894737
c1424	17	1.5	19	28	AZ340311	0.894737
c1425	17	1.5	19	28	AZ350519	0.894737
1426	17	1.5	19	28	AZ364226	0.894737
1427	17	1.5	19	28	AZ365696	0.894737
1428	17	1.5	19	28	AZ374409	0.894737
1429	17	1.5	19	28	AZ374619	0.894737
1430	17	1.5	19	28	AZ385952	0.894737
1431	17	1.5	19	28	AZ391509	0.894737
1432	17	1.5	19	28	AZ410050	0.894737
1433	17	1.5	19	28	AZ414413	0.894737
1434	17	1.5	19	28	AZ422604	0.894737
c1435	17	1.5	19	28	AZ424716	0.894737
c1436	17	1.5	19	28	AZ441329	0.894737
c1437	17	1.5	19	28	AZ442365	0.894737
c1438	17	1.5	19	28	AZ453930	0.894737
1439	17	1.5	19	28	AZ460906	0.894737
c1440	17	1.5	19	28	AZ471494	0.894737
c1441	17	1.5	19	28	AZ476576	0.894737
c1442	17	1.5	19	28	AZ486786	0.894737
c1443	17	1.5	19	28	AZ490652	0.894737
1444	17	1.5	19	28	AZ508040	0.894737
1445	17	1.5	19	28	AZ579119	0.894737
1446	17	1.5	19	28	AZ583970	0.894737
1447	17	1.5	19	28	AZ585865	0.894737
1448	17	1.5	19	28	AZ593210	0.894737
c1449	17	1.5	19	28	AZ616154	0.894737
c1450	17	1.5	19	28	AZ627844	0.894737
1451	17	1.5	19	28	AZ631701	0.894737
1452	17	1.5	19	28	AZ633821	0.894737
1453	17	1.5	19	28	AZ643659	0.894737
c1454	17	1.5	19	28	AZ644698	0.894737
1455	17	1.5	19	28	AZ648335	0.894737
c1456	17	1.5	19	28	AZ649888	0.894737
1457	17	1.5	19	28	AZ764497	0.894737
1458	17	1.5	19	28	AZ764522	0.894737
1459	17	1.5	19	28	AZ764534	0.894737
1460	17	1.5	19	28	AZ770387	0.894737
1461	17	1.5	19	28	AZ778858	0.894737
1462	17	1.5	19	28	AZ779901	0.894737
1463	17	1.5	19	28	AZ781876	0.894737
c1464	17	1.5	19	28	AZ787634	0.894737
c1465	17	1.5	19	28	AZ788058	0.894737
c1466	17	1.5	19	28	AZ789590	0.894737
c1467	17	1.5	19	28	AZ792713	0.894737

1468	17	1.5	19	28	AZ795403	0.894737
c1469	17	1.5	19	28	AZ801970	0.894737
c1470	17	1.5	19	28	AZ822225	0.894737
1471	17	1.5	19	28	AZ841581	0.894737
1472	17	1.5	19	28	AZ841622	0.894737
1473	17	1.5	19	28	AZ853220	0.894737
1474	17	1.5	19	28	AZ861896	0.894737
1475	17	1.5	19	28	AZ936798	0.894737
1476	17	1.5	19	28	AZ985501	0.894737
1477	17	1.5	19	28	BH000498	0.894737
773	18.4	1.7	21	28	AZ493766	0.87619
1252	17.4	1.6	20	2	HSM00293	0.87
c10409	13	1.2	15	9	AW245585	0.866667
594	19	1.7	22	2	HSM00295	0.863636
c 595	19	1.7	22	13	BQ591193	0.863636
c20260	12	1.1	14	13	BQ591949	0.857143
c3064	15.4	1.4	18	12	BM658677	0.855556
1478	17	1.5	20	2	HSM00322	0.85
c1479	17	1.5	20	9	AL587572	0.85
c1480	17	1.5	20	9	AL587727	0.85
c1481	17	1.5	20	9	AW334823	0.85
c1482	17	1.5	20	14	T50579	0.85
c1483	17	1.5	20	28	AZ307671	0.85
c1484	17	1.5	20	28	AZ333980	0.85
1485	17	1.5	20	28	AZ341237	0.85
1486	17	1.5	20	28	AZ341530	0.85
1487	17	1.5	20	28	AZ343031	0.85
c1488	17	1.5	20	28	AZ345856	0.85
1489	17	1.5	20	28	AZ351273	0.85
1490	17	1.5	20	28	AZ357623	0.85
1491	17	1.5	20	28	AZ369734	0.85
c1492	17	1.5	20	28	AZ370699	0.85
1493	17	1.5	20	28	AZ386573	0.85
1494	17	1.5	20	28	AZ396481	0.85
1495	17	1.5	20	28	AZ442328	0.85
c1496	17	1.5	20	28	AZ463331	0.85
c1497	17	1.5	20	28	AZ477734	0.85
c1498	17	1.5	20	28	AZ479464	0.85
c1499	17	1.5	20	28	AZ498625	0.85
1500	17	1.5	20	28	AZ514729	0.85
1501	17	1.5	20	28	AZ579178	0.85
1502	17	1.5	20	28	AZ581208	0.85
1503	17	1.5	20	28	AZ588011	0.85
1504	17	1.5	20	28	AZ607328	0.85
c1505	17	1.5	20	28	AZ623155	0.85
c1506	17	1.5	20	28	AZ623214	0.85
1507	17	1.5	20	28	AZ638704	0.85
1508	17	1.5	20	28	AZ643992	0.85
c1509	17	1.5	20	28	AZ645312	0.85
c1510	17	1.5	20	28	AZ645829	0.85
1511	17	1.5	20	28	AZ650271	0.85
1512	17	1.5	20	28	AZ760838	0.85
1513	17	1.5	20	28	AZ764504	0.85
c1514	17	1.5	20	28	AZ765211	0.85
1515	17	1.5	20	28	AZ772091	0.85
c1516	17	1.5	20	28	AZ779425	0.85
1517	17	1.5	20	28	AZ784041	0.85
c1518	17	1.5	20	28	AZ793467	0.85
c1519	17	1.5	20	28	AZ798529	0.85
1520	17	1.5	20	28	AZ805163	0.85

1521	17	1.5	20	28	AZ806521	0.85
1522	17	1.5	20	28	AZ806585	0.85
1523	17	1.5	20	28	AZ809306	0.85
1524	17	1.5	20	28	AZ810986	0.85
1525	17	1.5	20	28	AZ813908	0.85
1526	17	1.5	20	28	AZ817323	0.85
1527	17	1.5	20	28	AZ817414	0.85
1528	17	1.5	20	28	AZ817467	0.85
c1529	17	1.5	20	28	AZ817608	0.85
1530	17	1.5	20	28	AZ818055	0.85
c1531	17	1.5	20	28	AZ818489	0.85
c1532	17	1.5	20	28	AZ818816	0.85
1533	17	1.5	20	28	AZ821905	0.85
1534	17	1.5	20	28	AZ837491	0.85
1535	17	1.5	20	28	AZ841342	0.85
c1536	17	1.5	20	28	AZ841558	0.85
1537	17	1.5	20	28	AZ858052	0.85
1538	17	1.5	20	28	AZ936914	0.85
c1539	17	1.5	20	28	AZ949180	0.85
c1540	17	1.5	20	28	AZ963973	0.85
c4738	14.4	1.3	17	9	AW247165	0.847059
4739	14.4	1.3	17	10	BG673623	0.847059
2549	16	1.5	19	28	AZ764517	0.842105
c2045	16.8	1.5	20	9	AW333777	0.84
c8191	13.4	1.2	16	9	AW251049	0.8375
1253	17.4	1.6	21	2	HSM00305	0.828571
1254	17.4	1.6	21	2	HSM00310	0.828571
1255	17.4	1.6	21	2	HSM00331	0.828571
c5844	14	1.3	17	9	AW250784	0.823529
687	18.8	1.7	23	28	AZ662734	0.817391
c30253	11.4	1	14	12	BM397622	0.814286
c6552	13.8	1.3	17	9	AW246446	0.811765
c6553	13.8	1.3	17	9	AW247949	0.811765
c3065	15.4	1.4	19	9	AW248747	0.810526
3066	15.4	1.4	19	28	AZ360314	0.810526
c3067	15.4	1.4	19	28	AZ363907	0.810526
3068	15.4	1.4	19	28	AZ408157	0.810526
c3069	15.4	1.4	19	28	AZ513919	0.810526
c3070	15.4	1.4	19	28	AZ645841	0.810526
3071	15.4	1.4	19	28	AZ650252	0.810526
c3072	15.4	1.4	19	28	AZ654747	0.810526
1541	17	1.5	21	9	AL048777	0.809524
c1542	17	1.5	21	9	AL587702	0.809524
1543	17	1.5	21	28	AZ348593	0.809524
1544	17	1.5	21	28	AZ350611	0.809524
1545	17	1.5	21	28	AZ386711	0.809524
1546	17	1.5	21	28	AZ386794	0.809524
1547	17	1.5	21	28	AZ389287	0.809524
1548	17	1.5	21	28	AZ389687	0.809524
c1549	17	1.5	21	28	AZ406936	0.809524
c1550	17	1.5	21	28	AZ412739	0.809524
c1551	17	1.5	21	28	AZ412931	0.809524
1552	17	1.5	21	28	AZ415029	0.809524
1553	17	1.5	21	28	AZ461824	0.809524
c1554	17	1.5	21	28	AZ465890	0.809524
1555	17	1.5	21	28	AZ611116	0.809524
1556	17	1.5	21	28	AZ611423	0.809524
c1557	17	1.5	21	28	AZ615628	0.809524
c1558	17	1.5	21	28	AZ627843	0.809524
c1559	17	1.5	21	28	AZ627845	0.809524

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1562	17	1.5	21	28	AZ769976	0.809524
c1563	17	1.5	21	28	AZ792613	0.809524
c1564	17	1.5	21	28	AZ793486	0.809524
1565	17	1.5	21	28	AZ799327	0.809524
1566	17	1.5	21	28	AZ810054	0.809524
1567	17	1.5	21	28	AZ815424	0.809524
1568	17	1.5	21	28	AZ819181	0.809524
1569	17	1.5	21	28	AZ832198	0.809524
1570	17	1.5	21	28	AZ843603	0.809524
c1571	17	1.5	21	28	AZ943299	0.809524
1572	17	1.5	21	28	AZ960063	0.809524
1573	17	1.5	21	28	BH000837	0.809524
410	19.4	1.8	24	28	AZ309553	0.808333
411	19.4	1.8	24	28	AZ448207	0.808333
c2550	16	1.5	20	28	AZ486787	0.8
c11773	12.8	1.2	16	9	AA937877	0.8
c20261	12	1.1	15	9	AW246551	0.8
55336	10.4	0.9	13	13	BQ589768	0.8
774	18.4	1.7	23	28	AZ801003	0.8
c 140	21.4	1.9	27	14	N51845	0.792593
1256	17.4	1.6	22	9	AL048750	0.790909
2736	15.8	1.4	20	28	AZ345646	0.79
3597	15	1.4	19	28	AZ509929	0.789474
c23126	11.8	1.1	15	12	BM658732	0.786667
c23127	11.8	1.1	15	14	L76129	0.786667
906	18	1.6	23	9	AL048776	0.782609
1342	17.2	1.6	22	28	AZ304806	0.781818
1343	17.2	1.6	22	28	AZ505769	0.781818
c2189	16.4	1.5	21	28	AZ486776	0.780952
412	19.4	1.8	25	28	AZ330737	0.776
413	19.4	1.8	25	29	TA12F02Q	0.776
c15421	12.4	1.1	16	9	AW248540	0.775
1021	17.8	1.6	23	2	HSM00274	0.773913
1022	17.8	1.6	23	2	HSM00306	0.773913
1023	17.8	1.6	23	2	HSM00308	0.773913
1024	17.8	1.6	23	2	HSM00316	0.773913
c1025	17.8	1.6	23	9	AW335179	0.773913
1574	17	1.5	22	2	HSM00248	0.772727
1575	17	1.5	22	2	HSM00294	0.772727
c1576	17	1.5	22	9	AW332181	0.772727
c1577	17	1.5	22	9	AW332399	0.772727
c1578	17	1.5	22	28	AZ309907	0.772727
c1579	17	1.5	22	28	AZ310066	0.772727
1580	17	1.5	22	28	AZ351527	0.772727
1581	17	1.5	22	28	AZ357630	0.772727
1582	17	1.5	22	28	AZ374487	0.772727
1583	17	1.5	22	28	AZ388103	0.772727
c1584	17	1.5	22	28	AZ401908	0.772727
c1585	17	1.5	22	28	AZ424307	0.772727
c1586	17	1.5	22	28	AZ428818	0.772727
c1587	17	1.5	22	28	AZ459654	0.772727
c1588	17	1.5	22	28	AZ463503	0.772727
c1589	17	1.5	22	28	AZ463652	0.772727
1590	17	1.5	22	28	AZ582403	0.772727
1591	17	1.5	22	28	AZ607658	0.772727
1592	17	1.5	22	28	AZ654691	0.772727
1593	17	1.5	22	28	AZ760533	0.772727
c1594	17	1.5	22	28	AZ779844	0.772727

c1595	17	1.5	22	28	AZ785019	0.772727
c1596	17	1.5	22	28	AZ787098	0.772727
c1597	17	1.5	22	28	AZ787606	0.772727
c1598	17	1.5	22	28	AZ792704	0.772727
c1599	17	1.5	22	28	AZ810674	0.772727
c1600	17	1.5	22	28	AZ820439	0.772727
1601	17	1.5	22	28	AZ823875	0.772727
1602	17	1.5	22	28	AZ841661	0.772727
c1603	17	1.5	22	28	AZ843514	0.772727
1604	17	1.5	22	28	AZ843648	0.772727
1605	17	1.5	22	28	AZ946102	0.772727
1606	17	1.5	22	28	BH000233	0.772727
1607	17	1.5	22	29	TA131B09	0.772727
c1608	17	1.5	22	29	TA211D06	0.772727
1609	17	1.5	22	29	TA231E08	0.772727
1610	17	1.5	22	29	TA329F10	0.772727
c1611	17	1.5	22	29	TA35C12C	0.772727
1612	17	1.5	22	29	TA380A07	0.772727
c1613	17	1.5	22	29	TA386H07	0.772727
c3073	15.4	1.4	20	28	AZ343730	0.77
3074	15.4	1.4	20	28	AZ375620	0.77
3075	15.4	1.4	20	28	AZ579122	0.77
3076	15.4	1.4	20	28	AZ949997	0.77
c6554	13.8	1.3	18	9	AW246451	0.766667
c6555	13.8	1.3	18	9	AW246505	0.766667
6556	13.8	1.3	18	28	AZ924200	0.766667
c 775	18.4	1.7	24	28	AZ486788	0.766667
776	18.4	1.7	24	28	AZ607198	0.766667
2551	16	1.5	21	28	AZ316019	0.761905
c 596	19	1.7	25	14	N59260	0.76
c 597	19	1.7	25	14	T49097	0.76
c30254	11.4	1	15	9	AW246494	0.76
4740	14.4	1.3	19	28	AZ774536	0.757895
1257	17.4	1.6	23	9	AL048745	0.756522
c11774	12.8	1.2	17	9	AW247976	0.752941
2737	15.8	1.4	21	29	TA48E09P	0.752381
3598	15	1.4	20	28	AZ316368	0.75
3599	15	1.4	20	28	AZ633741	0.75
20262	12	1.1	16	13	BQ591425	0.75
1344	17.2	1.6	23	28	AZ330773	0.747826
c 414	19.4	1.8	26	9	AW333508	0.746154
c 415	19.4	1.8	26	14	R26779	0.746154
c 416	19.4	1.8	26	28	AZ358846	0.746154
c2190	16.4	1.5	22	29	TA367G08	0.745455
c8192	13.4	1.2	18	9	AW251046	0.744444
728	18.6	1.7	25	28	AZ442170	0.744
1026	17.8	1.6	24	28	AZ404871	0.741667
c1614	17	1.5	23	9	AL587621	0.73913
c1615	17	1.5	23	9	AW334124	0.73913
c1616	17	1.5	23	28	AZ309219	0.73913
1617	17	1.5	23	28	AZ309851	0.73913
c1618	17	1.5	23	28	AZ312314	0.73913
c1619	17	1.5	23	28	AZ313922	0.73913
1620	17	1.5	23	28	AZ315640	0.73913
1621	17	1.5	23	28	AZ351354	0.73913
1622	17	1.5	23	28	AZ357645	0.73913
c1623	17	1.5	23	28	AZ419236	0.73913
1624	17	1.5	23	28	AZ425710	0.73913
1625	17	1.5	23	28	AZ435597	0.73913
1626	17	1.5	23	28	AZ461220	0.73913

c1627	17	1.5	23	28	AZ465327	0.73913
c1628	17	1.5	23	28	AZ481702	0.73913
c1629	17	1.5	23	28	AZ588254	0.73913
c1630	17	1.5	23	28	AZ593540	0.73913
1631	17	1.5	23	28	AZ610785	0.73913
1632	17	1.5	23	28	AZ621676	0.73913
c1633	17	1.5	23	28	AZ647637	0.73913
1634	17	1.5	23	28	AZ654903	0.73913
1635	17	1.5	23	28	AZ778751	0.73913
1636	17	1.5	23	28	AZ787184	0.73913
c1637	17	1.5	23	28	AZ792751	0.73913
1638	17	1.5	23	28	AZ817623	0.73913
1639	17	1.5	23	28	AZ859570	0.73913
1640	17	1.5	23	28	AZ862224	0.73913
1641	17	1.5	23	28	AZ939608	0.73913
c1642	17	1.5	23	28	BH000534	0.73913
1643	17	1.5	23	29	TA151C02	0.73913
c1644	17	1.5	23	29	TA274B03	0.73913
1645	17	1.5	23	29	TA353A10	0.73913
23128	11.8	1.1	16	9	AI582256	0.7375
23129	11.8	1.1	16	9	AI798250	0.7375
c23130	11.8	1.1	16	9	AW245338	0.7375
c5845	14	1.3	19	28	AZ465954	0.736842
5846	14	1.3	19	28	AZ766990	0.736842
c5847	14	1.3	19	28	AZ856873	0.736842
5848	14	1.3	19	28	AZ950028	0.736842
c2374	16.2	1.5	22	28	AZ345485	0.736364
1123	17.6	1.6	24	10	BG670391	0.733333
1124	17.6	1.6	24	28	AZ328848	0.733333
1125	17.6	1.6	24	28	AZ363562	0.733333
1126	17.6	1.6	24	28	AZ386491	0.733333
c1127	17.6	1.6	24	28	AZ390642	0.733333
c1128	17.6	1.6	24	28	AZ459280	0.733333
c1129	17.6	1.6	24	28	AZ644621	0.733333
1130	17.6	1.6	24	28	AZ786257	0.733333
1131	17.6	1.6	24	28	AZ834990	0.733333
1132	17.6	1.6	24	28	AZ970038	0.733333
1133	17.6	1.6	24	28	AZ984490	0.733333
c1134	17.6	1.6	24	28	AZ993423	0.733333
c1135	17.6	1.6	24	29	TA169D12	0.733333
1136	17.6	1.6	24	29	TA27B08C	0.733333
1137	17.6	1.6	24	29	TA354C06	0.733333
1138	17.6	1.6	24	29	TA371F11	0.733333
1139	17.6	1.6	24	29	TA95B08P	0.733333
c3077	15.4	1.4	21	14	D21052	0.733333
c3078	15.4	1.4	21	28	AZ308846	0.733333
c3079	15.4	1.4	21	28	AZ317208	0.733333
3080	15.4	1.4	21	28	AZ625662	0.733333
c3081	15.4	1.4	21	28	AZ627840	0.733333
3082	15.4	1.4	21	28	AZ822825	0.733333
3083	15.4	1.4	21	28	AZ853429	0.733333
c39087	11	1	15	9	AW247148	0.733333
c39088	11	1	15	9	AW250872	0.733333
598	19	1.7	26	2	HSM00316	0.730769
c 599	19	1.7	26	13	BQ585188	0.730769
c2046	16.8	1.5	23	28	AZ984045	0.730435
c15422	12.4	1.1	17	9	AW245664	0.729412
c15423	12.4	1.1	17	9	AW246528	0.729412
c2552	16	1.5	22	28	AZ307559	0.727273
c2553	16	1.5	22	28	AZ310057	0.727273

2554	16	1.5	22	28	AZ316361	0.727273
c6557	13.8	1.3	19	28	AZ345499	0.726316
c6558	13.8	1.3	19	28	AZ611602	0.726316
6559	13.8	1.3	19	28	AZ775624	0.726316
c6560	13.8	1.3	19	28	AZ786336	0.726316
c6561	13.8	1.3	19	28	AZ789309	0.726316
c 381	19.6	1.8	27	14	CB305310	0.725926
1258	17.4	1.6	24	9	AL048765	0.725
c 688	18.8	1.7	26	13	BQ583199	0.723077
c10410	13	1.2	18	9	AW249856	0.722222
2122	16.6	1.5	23	28	AZ447220	0.721739
c44311	10.8	1	15	9	AW249689	0.72
c44312	10.8	1	15	9	AW250976	0.72
c 907	18	1.6	25	14	T57657	0.72
c 322	20	1.8	28	9	AW332443	0.714286
3600	15	1.4	21	28	AZ341108	0.714286
3601	15	1.4	21	28	AZ818565	0.714286
c3602	15	1.4	21	28	AZ963501	0.714286
c2191	16.4	1.5	23	29	TA367D08	0.713043
1646	17	1.5	24	28	AZ438069	0.708333
1647	17	1.5	24	28	AZ764496	0.708333
1648	17	1.5	24	28	AZ764513	0.708333
1649	17	1.5	24	28	AZ764519	0.708333
1650	17	1.5	24	28	AZ812579	0.708333
c 777	18.4	1.7	26	29	CNS00BG	0.707692
c8193	13.4	1.2	19	28	AZ331082	0.705263
8194	13.4	1.2	19	28	AZ585820	0.705263
8195	13.4	1.2	19	28	AZ807609	0.705263
3999	14.8	1.3	21	28	AZ331619	0.704762
2375	16.2	1.5	23	28	AZ382013	0.704348
c1140	17.6	1.6	25	9	AL587648	0.704
c1141	17.6	1.6	25	14	N33150	0.704
1142	17.6	1.6	25	28	AZ344725	0.704
c1143	17.6	1.6	25	28	AZ350777	0.704
1144	17.6	1.6	25	28	AZ381039	0.704
1145	17.6	1.6	25	28	AZ389458	0.704
c1146	17.6	1.6	25	28	AZ609234	0.704
c1147	17.6	1.6	25	28	AZ623157	0.704
c1148	17.6	1.6	25	28	AZ788646	0.704
1149	17.6	1.6	25	28	AZ949287	0.704
c1150	17.6	1.6	25	28	AZ980407	0.704
c1151	17.6	1.6	25	29	TA324E10	0.704
c 600	19	1.7	27	14	N89936	0.703704
c3084	15.4	1.4	22	9	AW246884	0.7
c3085	15.4	1.4	22	28	AZ307896	0.7
3086	15.4	1.4	22	29	TA303G05	0.7
c 194	21	1.9	30	28	AZ458127	0.7
c34386	11.2	1	16	2	HSM00176	0.7